Missouri Water Utility Partnership - July 8, 2010



Project Size: \$226,943

Annual Savings				
City	kilowatt Hours Electricity	Hundred Cubic Feet Natural Gas or Propane	Mgals Water	Dollars
Joplin	523,000	N/A	N/A	\$ 52,280



Building Improvements

- •Fluorescent lighting upgrades at Turkey Creek & Shoal Creek Wastewater Treatment Facilities
- •750 T-12 ballasts replaced with energy efficient T-8 ballasts
- Energy savings projected to be 80,534 KWH/year
- Projected cost savings are \$8,053/year

Wastewater Treatment Improvements

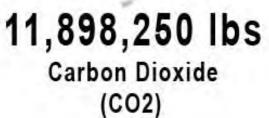
- Installed Variable Frequency Drives on 8 pumps at the 2 largest sewage lift stations in the City
- •Energy saving calculated at approx. 442,265 KWH/year
- Projects savings are \$44,227/year



Business Model:	Contractor Bids + City Staff	
Prime Contractor:	City of Joplin	
Utility Partners:	Empire District Electric Company	
Funding Sources:	US Department of Energy – Energy Efficiency and Conservation Block Grant (EECBG)	

This will prevent the following greenhouse gases from being released into the atmosphere







18,949 lbs Nitrogen Oxide (NOx)



46,087 lbs Sulfur Dioxide (SO2)

